



WORKSHOP AGENDA ITEMS

Review of Research Projects for Managing Electric Transmission Uncertainty

Monday, August 20, 2007 • 9AM – 4 PM • CTAC

Planning Alternative Corridors for Transmission (PACT) Project

A PIER Environmental Research project to accelerate transmission line siting using a web-based decision tool to reduce analysis time among alternative paths and increase transparency for all stakeholders

Forward-Looking State Estimator

A grid operator tool that supports operator intuition using probabilistic forecasting to alert and prepare the grid operator for probable power delivery constraints on the transmission system for the day ahead

Congestion Management Planning Forecaster

A long-term congestion management planning method using probabilistic forecasting for informing the transmission planner and market participants of probable future increase or reduction in power flow congestion

Cost Allocation Methods for Transmission

A project to develop planning tools to assess strategic transmission benefits, quantify those benefits, and link them to beneficiaries

Real-Time Dynamic Information Systems (RTDIS) Projects

An series of projects to develop a suite of operation and planning tools to use wide-area real-time information for diagnosis, analysis, visualization, and control to improve analysis of transmission system disturbances for planners and policy makers, enable real-time wide-area situation awareness for operators and reliability coordinators, and provide decision support for operators or automated actions.

WECC Wind Generation Modeling

A research project to improve the wind generator models used by western North American transmission system managers and reliability coordinators to balance electric power supply and demand by developing more accurate characterizations of modern wind machines and aggregating them into a model for modern wind power plants

WECC Load Model Project

A research project to improve the load models used by western North American transmission system managers and reliability coordinators to balance electric power supply and demand by characterizing modern customer electric appliances and equipment, with special emphasis on residential HVAC voltage response behavior.